



# Weekly Coal Production

Production for Week Ended:  
October 19, 1991



Export/Import  
Supplement

# Preface

The *Weekly Coal Production (WCP)* report provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 through 1990 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988, 1 percent to 2 percent for 1989, and 0.3 percent to 3 percent for 1990.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based

on 1988 through 1990 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988, 0.09 percent to 0.14 percent for 1989, and 0.01 percent to 0.05 percent for 1990. Usually the EIA-7A coal production data are higher than the EIA-6 coal production data, due to differences in the threshold reporting requirements.

This publication is prepared by the Survey Management Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1990*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson under the direction of Mary K. Paull, Team Leader, Coal Data Systems, and Noel C. Balthasar, Chief, Coal and Uranium Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at 202/586-8800.*

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or necessarily reflecting any policy position of the Department of Energy or of any other organization.

Distribution Category UC-98

Released for printing October 25, 1991

# Contents

|   |    |
|---|----|
| Summary .....   | 1  |
| Figure 1. Coal Production .....   | 2  |
| Table 1. Coal Production .....  | 2  |
| Table 2. Coal Production by State .....                                 | 3  |
| Table 3. Coal Exports and Imports, 1982-1991 .....                      | 4  |
| Table 4. Coal Exports, August 1991 .....                                | 5  |
| Table 5. Average Price of Coal Exports, August 1991 .....               | 6  |
| Table 6. Steam Coal Exports, August 1991 .....                          | 7  |
| Table 7. Average Price of Steam Coal Exports, August 1991 .....         | 8  |
| Table 8. Metallurgical Coal Exports, August 1991 .....                  | 9  |
| Table 9. Average Price of Metallurgical Coal Exports, August 1991 ..... | 10 |
| Table 10. Coal Exports by Customs District, August 1991 .....           | 11 |
| Table 11. Coke Exports, August 1991 .....                               | 12 |
| Table 12. Coal Imports, August 1991 .....                               | 12 |
| Table 13. Average Price of Coal Imports, August 1991 .....              | 13 |
| Table 14. Coal Imports by Customs District, August 1991 .....           | 13 |
| Table 15. Coke Imports, August 1991 .....                               | 14 |



## Summary

U.S. coal production in the week ended October 19, 1991, as estimated by the Energy Information Administration, totaled 20 million short tons. This was about the same as in the previous week, and in the comparable week in 1990. Production east of the Mississippi River totaled 12 million short tons, and production west of the Mississippi River totaled 8 million short tons.

U.S. coal exports in August 1991 rose to 11 million short tons, the highest level since June 1982. This brought the total amount of coal exports in the first eight months of 1991 to 69 million short tons, the same level as it was in 1990. The three principle destinations were Japan, Italy, and the Netherlands, which together accounted for almost one third of the total exports. Compared to the January-August period in 1990, shipments to Japan and Italy were each down by 2 percent, while exports to the Netherlands were up over 25 percent. The largest tonnage increases were to the Netherlands, the United Kingdom, and Brazil.

Metallurgical coal exports totaled 43 million short tons in the first eight months of 1991, the same amount as a year earlier. Japan was the largest importer of U.S. metallurgical coal, receiving 6 million short tons. This was 1 million short tons less than in the same period in 1990 due to increased shipments to Japan from Australia. Other major importers of U.S. metallurgical coal were Brazil, Italy, Belgium and Luxembourg, and

France, each receiving 4 million short tons during this time period.

Steam coal exports from January through August 1991 amounted to 26 million short tons. This was a decrease of 1 million short tons from the same period a year ago. The leading destination of steam coal exports was Italy, with a total of 4 million short tons, an increase of 23 percent over the 1990 total. Other major importers of U.S. steam coal were the Netherlands and Canada, each receiving 3 million short tons of coal. However, Canada's steam coal imports were less than half of the previous year's total. This was due to a combination of an increase in hydroelectricity generation and a weaker economy in the country.

The value of U.S. coal exports from January through August 1991 was \$3 billion, based on an average price of \$43.19 per short ton. The port of Norfolk handled 39 million short tons of coal exports, or 56 percent of all U.S. coal exports for the period.

U.S. coal imports for August 1991 amounted to 248,428 short tons, twice as much as was imported in the same month in 1990. In the first eight months of 1991, coal imports totaled over 2 million short tons, an increase of 31 percent from the level a year earlier. More than half of the coal was imported from Columbia, and over one-quarter was from Canada. Total coal imports were valued at \$76 million, based on an average price of \$33.53 per short ton.

Figure 1. Coal Production

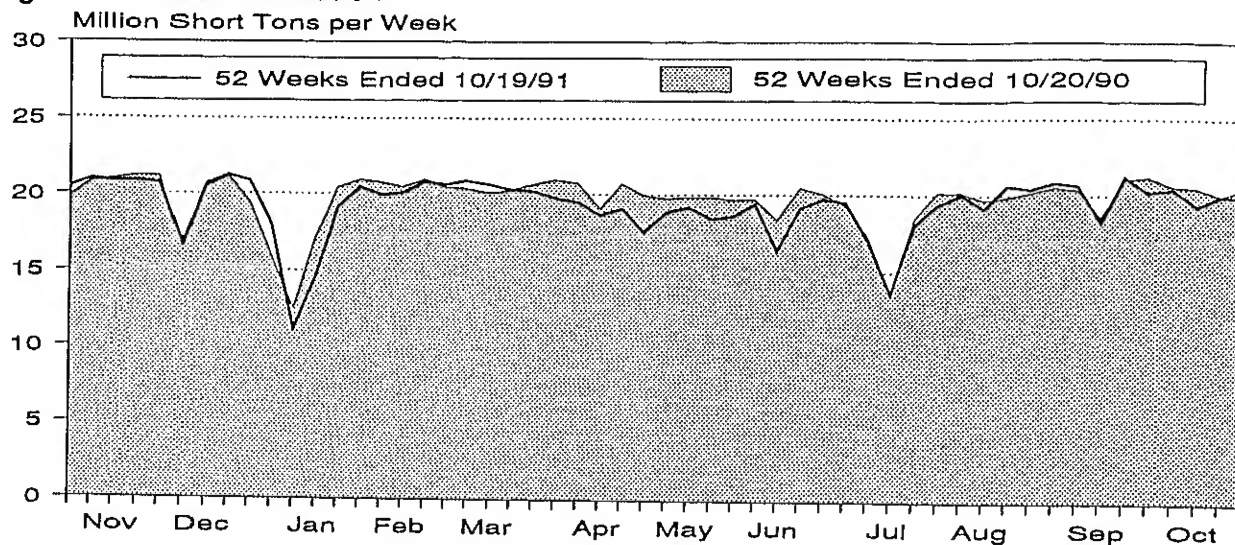


Table 1. Coal Production

|  | Week Ended |          |          | 52 Weeks Ended |           |                |
|--|------------|----------|----------|----------------|-----------|----------------|
| Production and Carloadings                     | 10/19/91   | 10/12/91 | 10/20/90 | 10/19/91       | 10/20/90  | Percent Change |
| Production (Thousand Short Tons)               |            |          |          |                |           |                |
| Bituminous Coal <sup>1</sup> and Lignite . . . | 19,911     | 19,955   | 20,374   | 1,000,691      | 1,020,814 | -2.0           |
| Pennsylvania Anthracite . . . . .              | 52         | 53       | 69       | 2,820          | 3,495     | -19.3          |
| U.S. Total . . . . .                           | 19,962     | 20,009   | 20,443   | 1,003,511      | 1,024,309 | -2.0           |
| Railroad Cars Loaded . . . . .                 | 131,204    | 131,499  | 134,131  | 6,499,957      | 6,648,900 |                |

<sup>1</sup>Includes subbituminous coal.

Notes: 1991 data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

**Table 2. Coal Production by State**  
(Thousand Short Tons)

| Region and State                                       | Week Ended    |               |               |
|--|---------------|---------------|---------------|
|  | 10/19/91      | 10/12/91      | 10/20/90      |
| <b>Bituminous Coal<sup>1</sup> and Lignite</b>         |               |               |               |
| <b>East of the Mississippi</b> . . . . .               | <b>11,874</b> | <b>11,916</b> | <b>12,445</b> |
| Alabama . . . . .                                      | 517           | 520           | 544           |
| Illinois . . . . .                                     | 1,146         | 1,154         | 1,069         |
| Indiana . . . . .                                      | 741           | 767           | 772           |
| Kentucky . . . . .                                     | 3,141         | 3,045         | 3,496         |
| Kentucky, Eastern . . . . .                            | 2,453         | 2,388         | 2,559         |
| Kentucky, Western . . . . .                            | 688           | 656           | 937           |
| Maryland . . . . .                                     | 71            | 68            | 69            |
| Ohio . . . . .   | 666           | 662           | 700           |
| Pennsylvania Bituminous . . . . .                      | 1,423         | 1,507         | 1,319         |
| Tennessee . . . . .                                    | 108           | 110           | 98            |
| Virginia . . . . .                                     | 858           | 870           | 938           |
| West Virginia . . . . .                                | 3,203         | 3,214         | 3,441         |
| <b>West of the Mississippi</b> . . . . .               | <b>8,037</b>  | <b>8,040</b>  | <b>7,929</b>  |
| Alaska . . . . .                                       | 38            | 38            | 48            |
| Arizona . . . . .                                      | 229           | 229           | 263           |
| Arkansas . . . . .                                     | 1             | 1             | 1             |
| Colorado . . . . .                                     | 400           | 389           | 409           |
| Iowa . . . . .   | 7             | 7             | 8             |
| Kansas . . . . .                                       | 11            | 11            | 12            |
| Louisiana . . . . .                                    | 81            | 91            | 52            |
| Missouri . . . . .                                     | 49            | 49            | 48            |
| Montana . . . . .                                      | 769           | 757           | 772           |
| New Mexico . . . . .                                   | 501           | 579           | 523           |
| North Dakota . . . . .                                 | 591           | 582           | 525           |
| Oklahoma . . . . .                                     | 26            | 29            | 29            |
| Texas . . . . .  | 1,103         | 1,105         | 1,094         |
| Utah . . . . .   | 436           | 428           | 445           |
| Washington . . . . .                                   | 94            | 94            | 97            |
| Wyoming . . . . .                                      | 3,701         | 3,651         | 3,604         |
| <b>Bituminous Coal<sup>1</sup> and Lignite Total</b> . | <b>19,911</b> | <b>19,955</b> | <b>20,374</b> |
| <b>Pennsylvania Anthracite</b> . . . . .               | <b>52</b>     | <b>53</b>     | <b>69</b>     |
| <b>U.S. Total</b> . . . . .                            | <b>19,962</b> | <b>20,009</b> | <b>20,443</b> |

<sup>1</sup>Includes subbituminous coal.

Notes: 1991 data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.



**Table 3. Coal Exports and Imports, 1982-1991**  
(Thousand Short Tons and Dollars per Short Ton)

| Year and Month        | Exports       |                            |                    |                            |          |                            | Imports  |               |
|-----------------------|---------------|----------------------------|--------------------|----------------------------|----------|----------------------------|----------|---------------|
|                       | Metallurgical |                            | Steam <sup>1</sup> |                            | Total    |                            | Quantity | Average Price |
|                       | Quantity      | Average Price <sup>2</sup> | Quantity           | Average Price <sup>2</sup> | Quantity | Average Price <sup>2</sup> |          |               |
| 1982 .....            | 64,585        | \$61.07                    | 41,692             | \$49.11                    | 106,277  | \$56.37                    | 742      | \$30.40       |
| 1983 .....            | 49,964        | 55.49                      | 27,807             | 46.18                      | 77,772   | 52.16                      | 1,271    | 33.59         |
| 1984 .....            | 56,975        | 52.41                      | 24,508             | 46.77                      | 81,483   | 50.72                      | 1,286    | 35.37         |
| 1985 .....            | 60,313        | 50.46                      | 32,367             | 43.92                      | 92,680   | 48.18                      | 1,952    | 36.04         |
| 1986 .....            | 54,977        | 47.81                      | 30,541             | 42.60                      | 85,518   | 45.95                      | 2,212    | 36.02         |
| 1987 .....            | 51,679        | 44.49                      | 27,928             | 39.60                      | 79,607   | 42.77                      | 1,747    | 32.04         |
| 1988 .....            | 61,950        | 44.17                      | 33,073             | 38.59                      | 95,023   | 42.23                      | 2,134    | 29.96         |
| 1989                  |               |                            |                    |                            |          |                            |          |               |
| January .....         | 4,488         | 43.92                      | 1,818              | 36.29                      | 6,306    | 41.72                      | 66       | 36.14         |
| February .....        | 5,298         | 44.32                      | 1,450              | 37.14                      | 6,748    | 42.78                      | 131      | 31.89         |
| March .....           | 6,163         | 44.17                      | 2,212              | 36.98                      | 8,375    | 42.27                      | 334      | 33.86         |
| April .....           | 6,061         | 44.08                      | 3,042              | 38.46                      | 9,104    | 42.20                      | 158      | 31.46         |
| May .....             | 6,303         | 45.40                      | 3,381              | 37.40                      | 9,685    | 42.61                      | 312      | 32.19         |
| June .....            | 5,598         | 45.82                      | 4,059              | 38.14                      | 9,657    | 42.59                      | 218      | 39.04         |
| July .....            | 3,881         | 45.77                      | 2,328              | 37.95                      | 6,209    | 42.84                      | 375      | 36.65         |
| August .....          | 4,925         | 46.09                      | 3,197              | 37.30                      | 8,122    | 42.63                      | 247      | 33.85         |
| September .....       | 5,754         | 45.94                      | 3,907              | 37.31                      | 9,661    | 42.45                      | 303      | 33.64         |
| October .....         | 5,922         | 45.50                      | 3,371              | 37.97                      | 9,293    | 42.77                      | 160      | 33.20         |
| November .....        | 6,026         | 45.81                      | 3,743              | 38.05                      | 9,768    | 42.84                      | 245      | 31.54         |
| December .....        | 4,710         | 45.65                      | 3,179              | 37.66                      | 7,888    | 42.43                      | 303      | 35.09         |
| Total .....           | 65,128        | 45.19                      | 35,687             | 37.64                      | 100,815  | 42.52                      | 2,851    | 34.14         |
| 1990                  |               |                            |                    |                            |          |                            |          |               |
| January .....         | 4,901         | 45.72                      | 2,547              | 37.29                      | 7,447    | 42.84                      | 175      | 33.01         |
| February .....        | 4,381         | 45.92                      | 1,862              | 36.36                      | 6,243    | 43.07                      | 268      | 35.91         |
| March .....           | 6,254         | 45.78                      | 2,439              | 38.36                      | 8,693    | 43.70                      | 292      | 35.54         |
| April .....           | 4,754         | 45.95                      | 3,836              | 38.60                      | 8,590    | 42.67                      | 182      | 31.45         |
| May .....             | 5,643         | 46.81                      | 4,184              | 36.50                      | 9,827    | 42.42                      | 144      | 34.08         |
| June .....            | 5,699         | 46.35                      | 3,616              | 36.35                      | 9,316    | 42.47                      | 348      | 34.65         |
| July .....            | 5,495         | 46.82                      | 3,698              | 35.69                      | 9,194    | 42.34                      | 200      | 29.58         |
| August .....          | 5,598         | 46.69                      | 4,467              | 37.57                      | 10,065   | 42.59                      | 120      | 35.72         |
| September .....       | 5,567         | 46.70                      | 4,671              | 35.89                      | 10,238   | 41.76                      | 194      | 32.31         |
| October .....         | 4,471         | 47.06                      | 4,286              | 36.41                      | 8,756    | 41.85                      | 284      | 41.32         |
| November .....        | 5,805         | 46.42                      | 3,816              | 36.88                      | 9,621    | 42.63                      | 224      | 32.86         |
| December .....        | 4,890         | 48.07                      | 2,923              | 36.32                      | 7,813    | 43.67                      | 268      | 33.40         |
| Total .....           | 63,459        | 46.51                      | 42,345             | 36.81                      | 105,804  | 42.63                      | 2,699    | 34.45         |
| 1991                  |               |                            |                    |                            |          |                            |          |               |
| January .....         | 3,853         | 47.87                      | 2,361              | 36.82                      | 6,214    | 43.67                      | 263      | 32.36         |
| February .....        | 6,113         | 47.14                      | 2,013              | 39.67                      | 8,127    | 45.29                      | 429      | 34.87         |
| March .....           | 5,178         | 47.69                      | 2,799              | 38.80                      | 7,977    | 44.57                      | 246      | 33.12         |
| April .....           | 4,773         | 46.45                      | 2,145              | 39.17                      | 6,917    | 44.19                      | 198      | 32.09         |
| May .....             | 6,442         | 46.72                      | 3,576              | 37.56                      | 10,018   | 43.45                      | 248      | 39.50         |
| June .....            | 4,838         | 45.53                      | 4,441              | 37.18                      | 9,278    | 41.54                      | 284      | 32.07         |
| July .....            | 5,485         | 45.05                      | 4,614              | 36.78                      | 10,099   | 41.27                      | 348      | 33.66         |
| August .....          | 6,318         | 46.39                      | 4,223              | 37.06                      | 10,541   | 42.65                      | 248      | 29.57         |
| 1991 Year to Date ... | 43,000        | 46.58                      | 26,173             | 37.64                      | 69,172   | 43.19                      | 2,265    | 33.53         |
| 1990 Year to Date ... | 42,726        | 46.26                      | 26,649             | 37.08                      | 69,374   | 42.73                      | 1,729    | 33.94         |

<sup>1</sup>Includes bituminous, subbituminous, lignite, and anthracite.

<sup>2</sup>Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" and "Monthly Report IM 145."

**Table 4. Coal Exports, August 1991**  
(Short Tons)

| Continent and Country<br>of Destination    | August<br>1991    | July<br>1991      | August<br>1990    | Year to Date      |                   | Percent<br>Change |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|  |                   |                   |                   | 1991              | 1990              |                   |
| <b>North America Total</b> .....           | <b>898,897</b>    | <b>1,505,162</b>  | <b>2,045,996</b>  | <b>5,182,203</b>  | <b>9,692,681</b>  | <b>-46.5</b>      |
| Canada <sup>1</sup> .....                  | 818,014           | 1,483,859         | 1,984,517         | 5,000,988         | 9,487,414         | -47.3             |
| Dominican Republic .....                   | 33,069            | -                 | 224               | 70,799            | 41,475            | 70.7              |
| Jamaica .....                              | -                 | 18,048            | -                 | 36,503            | 34,127            | 7.0               |
| Mexico .....                               | 47,320            | 3,255             | 61,255            | 71,697            | 127,173           | -43.6             |
| Other <sup>2</sup> .....                   | 494               | -                 | -                 | 2,216             | 2,492             | -11.1             |
| <b>South America Total</b> .....           | <b>681,578</b>    | <b>793,035</b>    | <b>438,758</b>    | <b>5,042,317</b>  | <b>4,362,129</b>  | <b>15.6</b>       |
| Argentina .....                            | 70,571            | 66,502            | -                 | 339,827           | 326,477           | 4.1               |
| Brazil .....                               | 611,007           | 689,320           | 404,550           | 4,541,080         | 3,722,880         | 22.0              |
| Chile .....                                | -                 | 29,628            | 34,208            | 134,958           | 282,272           | -52.2             |
| Other <sup>2</sup> .....                   | -                 | 7,585             | -                 | 26,452            | 30,500            | -13.3             |
| <b>Europe Total</b> .....                  | <b>6,517,718</b>  | <b>5,454,326</b>  | <b>5,446,609</b>  | <b>42,809,114</b> | <b>39,263,896</b> | <b>9.0</b>        |
| Albania .....                              | 22,094            | -                 | -                 | 112,152           | 92,900            | 20.7              |
| Belgium & Luxembourg .....                 | 794,239           | 213,070           | 903,096           | 5,184,841         | 5,936,583         | -12.7             |
| Bulgaria .....                             | 52,911            | 77,879            | -                 | 617,167           | 87,955            | NM                |
| Denmark .....                              | 543,257           | 589,850           | 479,067           | 2,644,508         | 2,068,495         | 27.8              |
| Finland .....                              | 111,868           | 29,108            | 46,643            | 301,128           | 95,259            | 216.1             |
| France .....                               | 1,248,216         | 924,044           | 649,835           | 5,539,726         | 5,311,562         | 4.3               |
| Ireland .....                              | 225,480           | 99,769            | 70,388            | 929,985           | 932,320           | -3                |
| Italy .....                                | 869,530           | 983,766           | 1,030,786         | 7,699,245         | 7,868,045         | -2.1              |
| Netherlands .....                          | 811,989           | 959,750           | 780,786           | 6,360,438         | 5,063,032         | 25.6              |
| Norway .....                               | 22,596            | 4,901             | 12,994            | 153,786           | 123,227           | 24.8              |
| Portugal .....                             | 105,471           | 119,366           | 229,170           | 946,502           | 1,208,002         | -21.6             |
| Romania .....                              | 57,891            | 72,744            | -                 | 924,102           | 1,314,975         | -29.7             |
| Spain .....                                | 278,424           | 377,616           | 398,568           | 3,059,598         | 2,553,187         | 19.8              |
| Sweden .....                               | 64,441            | 84,016            | 77,826            | 615,552           | 417,383           | 47.5              |
| Turkey .....                               | 569,334           | 113,601           | 77,214            | 1,780,607         | 1,543,033         | 15.4              |
| United Kingdom .....                       | 537,306           | 679,360           | 649,912           | 4,399,444         | 3,287,846         | 33.8              |
| Germany, FR .....                          | 88,078            | 37,154            | 22,594            | 727,500           | 713,422           | 2.0               |
| Yugoslavia .....                           | 58,644            | 79,905            | 17,594            | 732,699           | 612,587           | 19.6              |
| Other <sup>2</sup> .....                   | 55,949            | 8,427             | 136               | 80,134            | 34,083            | 135.1             |
| <b>Asia Total</b> .....                    | <b>2,172,464</b>  | <b>2,032,137</b>  | <b>1,919,133</b>  | <b>14,584,768</b> | <b>14,661,522</b> | <b>-5</b>         |
| China (Taiwan) .....                       | 508,047           | 508,442           | 119,867           | 2,785,078         | 3,133,304         | -11.1             |
| Hong Kong .....                            | 122,276           | -                 | 119,292           | 464,979           | 119,292           | 289.8             |
| Israel .....                               | 134,304           | 139,852           | 74,052            | 541,943           | 504,813           | 7.4               |
| Japan .....                                | 1,066,966         | 1,071,263         | 1,380,721         | 8,253,982         | 8,412,767         | -1.9              |
| Korea, Republic of .....                   | 339,655           | 312,559           | 224,474           | 2,528,738         | 2,489,300         | 1.6               |
| Other <sup>2</sup> .....                   | 1,216             | 21                | 727               | 10,048            | 2,046             | 391.1             |
| <b>Oceania &amp; Australia Total</b> ..... | <b>19</b>         | <b>-</b>          | <b>958</b>        | <b>94</b>         | <b>1,700</b>      | <b>-94.5</b>      |
| <b>Africa Total</b> .....                  | <b>270,568</b>    | <b>314,336</b>    | <b>213,402</b>    | <b>1,553,684</b>  | <b>1,392,559</b>  | <b>11.6</b>       |
| Algeria .....                              | 94,857            | 62,570            | 46,290            | 397,086           | 246,910           | 60.8              |
| Egypt .....                                | 102,631           | 103,874           | 100,343           | 454,234           | 494,624           | -8.2              |
| Morocco .....                              | 33,705            | 147,892           | 66,769            | 594,204           | 595,869           | -3                |
| Other <sup>2</sup> .....                   | 39,375            | -                 | -                 | 108,160           | 55,156            | 96.1              |
| <b>Total</b> .....                         | <b>10,541,244</b> | <b>10,098,996</b> | <b>10,064,856</b> | <b>69,172,180</b> | <b>69,374,487</b> | <b>-3</b>         |

<sup>1</sup>Percent change calculation not meaningful as value is greater than 500.

<sup>2</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>3</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 5. Average Price of Coal Exports, August 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination    | August<br>1991 | July<br>1991   | August<br>1990 | Year to Date   |                | Percent<br>Change |
|--|----------------|----------------|----------------|----------------|----------------|-------------------|
|  |                |                |                | 1991           | 1990           |                   |
| <b>North America Total</b> .....           | <b>\$35.18</b> | <b>\$34.51</b> | <b>\$32.88</b> | <b>\$34.67</b> | <b>\$33.25</b> | <b>4.3</b>        |
| Canada <sup>1</sup> .....                  | 34.38          | 34.53          | 32.85          | 34.49          | 33.19          | 3.9               |
| Dominican Republic .....                   | 36.75          | -              | 34.88          | 37.60          | 36.44          | 3.2               |
| Jamaica .....                              | -              | 33.29          | -              | 33.46          | 30.57          | 9.4               |
| Mexico .....                               | 47.33          | 34.59          | 33.81          | 44.64          | 37.21          | 20.0              |
| Other <sup>2</sup> .....                   | 34.50          | -              | -              | 34.48          | 37.85          | -8.9              |
| <b>South America Total</b> .....           | <b>46.27</b>   | <b>45.73</b>   | <b>45.96</b>   | <b>46.45</b>   | <b>45.69</b>   | <b>1.7</b>        |
| Argentina .....                            | 44.97          | 45.15          | -              | 45.81          | 44.29          | 3.4               |
| Brazil .....                               | 46.42          | 45.73          | 46.76          | 46.77          | 46.48          | .6                |
| Chile .....                                | -              | 49.78          | 36.61          | 39.48          | 36.95          | 6.9               |
| Other <sup>2</sup> .....                   | -              | 34.48          | -              | 34.66          | 35.87          | -3.4              |
| <b>Europe Total</b> .....                  | <b>42.39</b>   | <b>42.60</b>   | <b>43.33</b>   | <b>43.59</b>   | <b>43.81</b>   | <b>-5</b>         |
| Albania .....                              | -              | -              | -              | 46.27          | 48.38          | -4.4              |
| Belgium & Luxembourg .....                 | 44.81          | 36.32          | 47.04          | 45.08          | 44.73          | .8                |
| Bulgaria .....                             | 44.00          | 43.34          | -              | 42.67          | 49.24          | -13.3             |
| Denmark .....                              | 31.53          | 34.84          | 33.56          | 33.57          | 34.29          | -2.1              |
| Finland .....                              | 42.93          | 46.30          | 43.68          | 45.20          | 44.72          | 1.1               |
| France .....                               | 40.24          | 38.31          | 42.06          | 41.46          | 42.41          | -2.2              |
| Ireland .....                              | 41.75          | 37.19          | 36.29          | 39.85          | 38.19          | 4.3               |
| Italy .....                                | 42.85          | 46.40          | 41.30          | 45.19          | 44.71          | 1.1               |
| Netherlands .....                          | 43.13          | 42.48          | 43.32          | 42.94          | 42.96          | *                 |
| Norway .....                               | -              | -              | -              | 32.11          | -              | -                 |
| Portugal .....                             | 41.14          | 43.78          | 41.51          | 40.96          | 41.14          | -4                |
| Romania .....                              | 46.08          | 45.01          | -              | 46.13          | 48.07          | -4.0              |
| Spain .....                                | 48.41          | 48.15          | 47.90          | 45.10          | 46.60          | -3.2              |
| Sweden .....                               | 49.65          | 49.06          | -              | 48.11          | 48.82          | -1.5              |
| Turkey .....                               | 46.30          | 46.76          | 43.09          | 46.88          | 45.88          | 2.2               |
| United Kingdom .....                       | 44.79          | 46.52          | 47.42          | 46.63          | 47.60          | -2.0              |
| Germany, FR .....                          | 32.41          | 30.87          | 33.79          | 40.34          | 40.23          | .3                |
| Yugoslavia .....                           | 43.77          | 47.36          | -              | 47.38          | 45.65          | 3.8               |
| Other <sup>2</sup> .....                   | 43.54          | 40.83          | 39.99          | 43.50          | 39.97          | 8.8               |
| <b>Asia Total</b> .....                    | <b>43.38</b>   | <b>41.84</b>   | <b>43.96</b>   | <b>43.40</b>   | <b>43.15</b>   | <b>.6</b>         |
| China (Taiwan) .....                       | 41.32          | 41.76          | 39.36          | 41.51          | 38.44          | 8.0               |
| Hong Kong .....                            | 37.37          | -              | 38.93          | 38.74          | 38.93          | -.5               |
| Israel .....                               | 41.80          | 34.52          | 37.51          | 39.64          | 38.59          | 2.7               |
| Japan .....                                | 43.85          | 41.83          | 44.81          | 43.68          | 44.37          | -1.6              |
| Korea, Republic of .....                   | 47.75          | 45.27          | 46.04          | 46.22          | 46.16          | .1                |
| Other <sup>2</sup> .....                   | 40.24          | -              | 36.14          | 40.50          | 38.40          | 5.5               |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>34.98</b>   | <b>-</b>       | <b>35.79</b>   | <b>-</b>          |
| <b>Africa Total</b> .....                  | <b>44.35</b>   | <b>40.00</b>   | <b>29.94</b>   | <b>41.20</b>   | <b>38.03</b>   | <b>8.3</b>        |
| Algeria .....                              | 45.29          | 46.27          | -              | 46.26          | 46.36          | -.2               |
| Egypt .....                                | 45.52          | 45.54          | -              | 45.82          | 45.73          | .2                |
| Morocco .....                              | 34.02          | 33.45          | 29.94          | 33.45          | 30.94          | 8.1               |
| Other <sup>2</sup> .....                   | 47.88          | -              | -              | 48.75          | -              | -                 |
| <b>Total</b> .....                         | <b>42.30</b>   | <b>41.58</b>   | <b>41.37</b>   | <b>43.09</b>   | <b>42.22</b>   | <b>2.1</b>        |
| <b>U.S. Total<sup>3</sup></b> .....        | <b>42.65</b>   | <b>41.27</b>   | <b>42.59</b>   | <b>43.19</b>   | <b>42.73</b>   | <b>1.1</b>        |

\*For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations, the absolute value of the number is less than 0.05 percent.

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusive.

the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 6. Steam Coal Exports, August 1991**  
(Short Tons)

| Continent and Country<br>of Destination        | August<br>1991   | July<br>1991     | August<br>1990   | Year to Date      |                   | Percent<br>Change |
|--|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|  |                  |                  |                  | 1991              | 1990              |                   |
| <b>North America Total</b> . . . . .           | <b>512,841</b>   | <b>774,351</b>   | <b>1,231,651</b> | <b>2,932,251</b>  | <b>6,627,068</b>  | <b>-55.8</b>      |
| Canada <sup>1</sup> . . . . .                  | 472,535          | 753,048          | 1,170,172        | 2,791,695         | 6,422,016         | -56.5             |
| Dominican Republic . . . . .                   | 33,069           | -                | 224              | 70,799            | 41,475            | 70.7              |
| Jamaica . . . . .                              | -                | 18,048           | -                | 36,503            | 34,127            | 7.0               |
| Mexico . . . . .                               | 6,743            | 3,255            | 61,255           | 31,060            | 127,173           | -75.6             |
| Other <sup>2</sup> . . . . .                   | 494              | -                | -                | 2,194             | 2,277             | -3.6              |
| <b>South America Total</b> . . . . .           | <b>11,659</b>    | <b>78,537</b>    | <b>41,792</b>    | <b>221,201</b>    | <b>352,419</b>    | <b>-37.2</b>      |
| Argentina . . . . .                            | 129              | -                | -                | 900               | -                 | -                 |
| Brazil . . . . .                               | 11,530           | 70,952           | 7,584            | 88,519            | 94,281            | -6.1              |
| Chile . . . . .                                | -                | -                | 34,208           | 105,330           | 227,638           | -53.7             |
| Other <sup>2</sup> . . . . .                   | -                | 7,585            | -                | 26,452            | 30,500            | -13.3             |
| <b>Europe Total</b> . . . . .                  | <b>2,834,900</b> | <b>2,547,602</b> | <b>2,535,967</b> | <b>16,726,362</b> | <b>13,977,999</b> | <b>19.7</b>       |
| Belgium & Luxembourg . . . . .                 | 259,152          | 213,070          | 210,875          | 1,292,954         | 1,751,983         | -26.2             |
| Bulgaria . . . . .                             | -                | -                | -                | -                 | 39,065            | -                 |
| Denmark . . . . .                              | 417,586          | 510,740          | 479,067          | 2,283,299         | 2,012,923         | 13.4              |
| Finland . . . . .                              | 68,890           | -                | -                | 69,106            | -                 | -                 |
| France . . . . .                               | 580,724          | 398,522          | 297,092          | 1,828,221         | 1,762,043         | 3.8               |
| Ireland . . . . .                              | 225,480          | 99,769           | 70,388           | 929,985           | 932,320           | -3                |
| Italy . . . . .                                | 375,633          | 350,355          | 540,993          | 3,672,383         | 2,996,511         | 22.6              |
| Netherlands . . . . .                          | 438,691          | 564,304          | 452,754          | 3,387,197         | 2,468,247         | 37.2              |
| Norway . . . . .                               | 6,344            | -                | -                | 85,064            | 54,841            | 55.1              |
| Portugal . . . . .                             | 105,471          | 80,612           | 190,646          | 872,201           | 950,356           | -8.2              |
| Romania . . . . .                              | -                | -                | -                | 70,715            | -                 | -                 |
| Spain . . . . .                                | 109,234          | 66,711           | 43,751           | 742,013           | 158,724           | 367.5             |
| Sweden . . . . .                               | -                | -                | -                | 8,048             | -                 | -                 |
| Turkey . . . . .                               | -                | -                | -                | 299               | 16,643            | -98.2             |
| United Kingdom . . . . .                       | 159,423          | 225,906          | 222,851          | 996,098           | 578,373           | 72.2              |
| Germany, FR . . . . .                          | 88,078           | 37,154           | 22,594           | 372,598           | 231,696           | 60.8              |
| Yugoslavia . . . . .                           | -                | -                | 4,820            | 109,954           | 12,995            | NM                |
| Other <sup>2</sup> . . . . .                   | 194              | 459              | 136              | 6,227             | 11,279            | -44.8             |
| <b>Asia Total</b> . . . . .                    | <b>827,255</b>   | <b>1,090,709</b> | <b>589,945</b>   | <b>5,796,407</b>  | <b>5,093,247</b>  | <b>13.8</b>       |
| China (Taiwan) . . . . .                       | 455,501          | 435,385          | 119,867          | 2,490,940         | 2,811,934         | -11.4             |
| Hong Kong . . . . .                            | 122,276          | -                | 119,292          | 464,979           | 119,292           | 289.8             |
| Israel . . . . .                               | 57,319           | 139,852          | 74,052           | 432,893           | 504,813           | -14.2             |
| Japan . . . . .                                | 190,943          | 428,225          | 200,133          | 1,895,771         | 1,174,979         | 61.3              |
| Korea, Republic of . . . . .                   | -                | 87,226           | 75,874           | 501,776           | 480,183           | 4.5               |
| Other <sup>2</sup> . . . . .                   | 1,216            | 21               | 727              | 10,048            | 2,046             | 391.1             |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>19</b>        | <b>-</b>         | <b>958</b>       | <b>94</b>         | <b>1,700</b>      | <b>-94.5</b>      |
| <b>Africa Total</b> . . . . .                  | <b>36,214</b>    | <b>122,622</b>   | <b>66,769</b>    | <b>496,201</b>    | <b>596,299</b>    | <b>-16.8</b>      |
| Egypt . . . . .                                | 496              | -                | -                | 496               | 430               | 15.3              |
| Morocco . . . . .                              | 33,705           | 122,622          | 66,769           | 493,692           | 595,869           | -17.1             |
| Other <sup>2</sup> . . . . .                   | 2,013            | -                | -                | 2,013             | -                 | -                 |
| <b>Total</b> . . . . .                         | <b>4,222,888</b> | <b>4,613,821</b> | <b>4,467,082</b> | <b>26,172,516</b> | <b>26,648,732</b> |                   |

<sup>NM</sup>Percent change calculation not meaningful as value is greater than 500.

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 7. Average Price of Steam Coal Exports, August 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination        | August<br>1991 | July<br>1991   | August<br>1990 | Year to Date   |                | Percent<br>Change |
|--|----------------|----------------|----------------|----------------|----------------|-------------------|
|  |                |                |                | 1991           | 1990           |                   |
| <b>North America Total</b> . . . . .           | <b>\$31.21</b> | <b>\$29.28</b> | <b>\$29.82</b> | <b>\$30.48</b> | <b>\$31.10</b> | <b>-2.0</b>       |
| Canada <sup>1</sup> . . . . .                  | 30.71          | 29.11          | 29.57          | 30.15          | 30.94          | -2.6              |
| Dominican Republic . . . . .                   | 36.75          | -              | 34.88          | 37.60          | 36.44          | 3.2               |
| Jamaica . . . . .                              | -              | 33.29          | -              | 33.46          | 30.57          | 9.4               |
| Mexico . . . . .                               | 36.13          | 34.59          | 33.81          | 38.50          | 37.21          | 3.5               |
| Other <sup>2</sup> . . . . .                   | 34.50          | -              | -              | 34.48          | 35.46          | -2.8              |
| <b>South America Total</b> . . . . .           | <b>46.70</b>   | <b>42.30</b>   | <b>36.61</b>   | <b>39.08</b>   | <b>37.29</b>   | <b>4.8</b>        |
| Argentina . . . . .                            | 40.64          | -              | -              | 35.34          | -              | -                 |
| Brazil . . . . .                               | 46.77          | 43.13          | -              | 43.64          | 42.44          | 2.8               |
| Chile . . . . .                                | -              | -              | 36.61          | 36.58          | 35.58          | 2.8               |
| Other <sup>2</sup> . . . . .                   | -              | 34.48          | -              | 34.66          | 35.87          | -3.4              |
| <b>Europe Total</b> . . . . .                  | <b>37.31</b>   | <b>37.72</b>   | <b>38.54</b>   | <b>38.19</b>   | <b>38.34</b>   | <b>-.4</b>        |
| Belgium & Luxembourg . . . . .                 | 38.49          | 36.32          | 38.97          | 37.27          | 37.42          | -.4               |
| Bulgaria . . . . .                             | -              | -              | -              | -              | 48.99          | -                 |
| Denmark . . . . .                              | 31.53          | 34.84          | 33.56          | 33.66          | 34.29          | -1.8              |
| Finland . . . . .                              | 40.82          | -              | -              | 40.82          | -              | -                 |
| France . . . . .                               | 33.63          | 31.30          | 35.88          | 34.25          | 37.44          | -8.5              |
| Ireland . . . . .                              | 41.75          | 37.19          | 36.29          | 39.85          | 38.19          | 4.3               |
| Italy . . . . .                                | 42.63          | 43.30          | 41.30          | 41.81          | 40.54          | 3.1               |
| Netherlands . . . . .                          | 39.53          | 39.16          | 40.00          | 39.39          | 38.75          | 1.6               |
| Norway . . . . .                               | -              | -              | -              | 32.11          | -              | -                 |
| Portugal . . . . .                             | 41.14          | 41.33          | 40.08          | 40.35          | 39.88          | 1.2               |
| Romania . . . . .                              | -              | -              | -              | 42.64          | -              | -                 |
| Spain . . . . .                                | 43.98          | 45.97          | 34.47          | 35.00          | 34.32          | 2.0               |
| Sweden . . . . .                               | -              | -              | -              | 41.64          | -              | -                 |
| Turkey . . . . .                               | -              | -              | -              | 40.85          | 39.30          | 4.0               |
| United Kingdom . . . . .                       | 37.56          | 42.19          | 43.35          | 39.44          | 43.95          | -10.3             |
| Germany, FR . . . . .                          | 32.41          | 30.87          | 33.79          | 32.18          | 35.38          | -9.0              |
| Yugoslavia . . . . .                           | -              | -              | -              | 40.97          | -              | -                 |
| Other <sup>2</sup> . . . . .                   | 40.86          | 40.83          | 39.99          | 40.79          | 39.97          | 2.0               |
| <b>Asia Total</b> . . . . .                    | <b>38.96</b>   | <b>39.04</b>   | <b>38.94</b>   | <b>38.99</b>   | <b>38.02</b>   | <b>2.6</b>        |
| China (Taiwan) . . . . .                       | 40.85          | 40.89          | 39.36          | 40.91          | 37.44          | 9.3               |
| Hong Kong . . . . .                            | 37.37          | -              | 38.93          | 38.74          | 38.93          | -.5               |
| Israel . . . . .                               | 41.28          | 34.52          | 37.51          | 39.00          | 38.59          | 1.0               |
| Japan . . . . .                                | 34.77          | 38.42          | 38.87          | 36.25          | 38.46          | -5.7              |
| Korea, Republic of . . . . .                   | -              | 40.10          | 39.92          | 40.00          | 39.53          | 1.2               |
| Other <sup>2</sup> . . . . .                   | 40.24          | -              | 36.14          | 40.50          | 38.40          | 5.5               |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>-</b>       | <b>-</b>       | <b>34.98</b>   | <b>-</b>       | <b>35.79</b>   | <b>-</b>          |
| <b>Africa Total</b> . . . . .                  | <b>34.49</b>   | <b>34.02</b>   | <b>29.94</b>   | <b>33.25</b>   | <b>30.95</b>   | <b>7.5</b>        |
| Egypt . . . . .                                | 40.80          | -              | -              | 40.80          | 35.91          | 13.6              |
| Morocco . . . . .                              | 34.02          | 34.02          | 29.94          | 33.21          | 30.94          | 7.3               |
| Other <sup>2</sup> . . . . .                   | 40.81          | -              | -              | 40.81          | -              | -                 |
| <b>Total</b> . . . . .                         | <b>36.93</b>   | <b>37.02</b>   | <b>36.33</b>   | <b>37.56</b>   | <b>36.38</b>   | <b>3.2</b>        |
| <b>U.S. Total<sup>3</sup></b> . . . . .        | <b>37.06</b>   | <b>36.78</b>   | <b>37.57</b>   | <b>37.64</b>   | <b>37.08</b>   | <b>1.5</b>        |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all steam coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 \$50 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 8. Metallurgical Coal Exports, August 1991**  
(Short Tons)

| Continent and Country<br>of Destination | August<br>1991   | July<br>1991     | August<br>1990   | Year to Date      |                   | Percent<br>Change |
|---|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|   |                  |                  |                  | 1991              | 1990              |                   |
| <b>North America Total</b> . . . . .    | <b>386,056</b>   | <b>730,811</b>   | <b>814,345</b>   | <b>2,249,952</b>  | <b>3,065,613</b>  | <b>-26.6</b>      |
| Canada <sup>1</sup> . . . . .           | 345,479          | 730,811          | 814,345          | 2,209,293         | 3,065,398         | -27.9             |
| Mexico . . . . .                        | 40,577           | -                | -                | 40,637            | -                 | -                 |
| Other <sup>2</sup> . . . . .            | -                | -                | -                | 22                | 215               | -89.8             |
| <b>South America Total</b> . . . . .    | <b>669,919</b>   | <b>714,498</b>   | <b>396,966</b>   | <b>4,821,116</b>  | <b>4,009,710</b>  | <b>20.2</b>       |
| Argentina . . . . .                     | 70,442           | 66,502           | -                | 338,927           | 326,477           | 3.8               |
| Brazil . . . . .                        | 599,477          | 618,368          | 396,966          | 4,452,561         | 3,628,599         | 22.7              |
| Chile . . . . .                         | -                | 29,628           | -                | 29,628            | 54,634            | -45.8             |
| <b>Europe Total</b> . . . . .           | <b>3,682,818</b> | <b>2,906,724</b> | <b>2,910,642</b> | <b>26,082,752</b> | <b>25,285,897</b> | <b>3.2</b>        |
| Albania . . . . .                       | 22,094           | -                | -                | 112,152           | 92,900            | 20.7              |
| Belgium & Luxembourg . . . . .          | 535,087          | -                | 692,221          | 3,891,887         | 4,184,600         | -7.0              |
| Bulgaria . . . . .                      | 52,911           | 77,879           | -                | 617,167           | 48,890            | NM                |
| Denmark . . . . .                       | 125,671          | 79,110           | -                | 361,209           | 55,572            | NM                |
| Finland . . . . .                       | 42,978           | 29,108           | 46,643           | 232,022           | 95,259            | 143.6             |
| France . . . . .                        | 667,492          | 525,522          | 352,743          | 3,711,505         | 3,549,519         | 4.6               |
| Italy . . . . .                         | 493,897          | 633,411          | 489,793          | 4,026,862         | 4,871,534         | -17.3             |
| Netherlands . . . . .                   | 373,298          | 395,446          | 328,032          | 2,973,241         | 2,594,785         | 14.6              |
| Norway . . . . .                        | 16,252           | 4,901            | 12,994           | 68,722            | 68,386            | .5                |
| Portugal . . . . .                      | -                | 38,754           | 38,524           | 74,301            | 257,646           | -71.2             |
| Romania . . . . .                       | 57,891           | 72,744           | -                | 853,387           | 1,314,975         | -35.1             |
| Spain . . . . .                         | 169,190          | 310,905          | 354,817          | 2,317,585         | 2,394,463         | -3.2              |
| Sweden . . . . .                        | 64,441           | 84,016           | 77,826           | 607,504           | 417,383           | 45.6              |
| Turkey . . . . .                        | 569,334          | 113,601          | 77,214           | 1,780,308         | 1,526,390         | 16.6              |
| United Kingdom . . . . .                | 377,883          | 453,454          | 427,061          | 3,403,346         | 2,709,473         | 25.6              |
| Germany, FR . . . . .                   | -                | -                | -                | 354,902           | 481,726           | -26.3             |
| Yugoslavia . . . . .                    | 58,644           | 79,905           | 12,774           | 622,745           | 599,592           | 3.9               |
| Other <sup>2</sup> . . . . .            | 55,755           | 7,968            | -                | 73,907            | 22,804            | 224.1             |
| <b>Asia Total</b> . . . . .             | <b>1,345,209</b> | <b>941,428</b>   | <b>1,329,188</b> | <b>8,788,361</b>  | <b>9,568,275</b>  | <b>-8.2</b>       |
| China (Taiwan) . . . . .                | 52,546           | 73,057           | -                | 294,138           | 321,370           | -8.5              |
| Israel . . . . .                        | 76,985           | -                | -                | 109,050           | -                 | -                 |
| Japan . . . . .                         | 876,023          | 643,038          | 1,180,588        | 6,358,211         | 7,237,788         | -12.2             |
| Korea, Republic of . . . . .            | 339,655          | 225,333          | 148,600          | 2,026,962         | 2,009,117         | .9                |
| <b>Africa Total</b> . . . . .           | <b>234,354</b>   | <b>191,714</b>   | <b>146,633</b>   | <b>1,057,483</b>  | <b>796,260</b>    | <b>32.8</b>       |
| Algeria . . . . .                       | 94,857           | 62,570           | 46,290           | 397,086           | 246,910           | 60.8              |
| Egypt . . . . .                         | 102,135          | 103,874          | 100,343          | 453,738           | 494,194           | -8.2              |
| Morocco . . . . .                       | -                | 25,270           | -                | 100,512           | -                 | -                 |
| Other <sup>2</sup> . . . . .            | 37,362           | -                | -                | 106,147           | 55,156            | 92.4              |
| <b>Total</b> . . . . .                  | <b>6,318,356</b> | <b>5,485,175</b> | <b>5,597,774</b> | <b>42,999,664</b> | <b>42,725,755</b> | <b>.6</b>         |

<sup>1</sup>Percent change calculation not meaningful as value is greater than 500.

<sup>2</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>3</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 9. Average Price of Metallurgical Coal Exports, August 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination | August<br>1991 | July<br>1991   | August<br>1990 | Year to Date   |                | Percent<br>Change |
|---|----------------|----------------|----------------|----------------|----------------|-------------------|
|   |                |                |                | 1991           | 1990           |                   |
| <b>North America Total</b> . . . . .    | <b>\$40.09</b> | <b>\$38.25</b> | <b>\$36.76</b> | <b>\$39.05</b> | <b>\$37.56</b> | <b>4.0</b>        |
| Canada <sup>1</sup> . . . . .           | 39.02          | 38.25          | 36.76          | 38.86          | 37.56          | 3.5               |
| Mexico . . . . .                        | 49.20          | -              | -              | 49.20          | -              | -                 |
| Other <sup>2</sup> . . . . .            | -              | -              | -              | -              | 49.93          | -                 |
| <b>South America Total</b> . . . . .    | <b>46.26</b>   | <b>46.10</b>   | <b>46.76</b>   | <b>46.77</b>   | <b>46.40</b>   | <b>.8</b>         |
| Argentina . . . . .                     | 44.97          | 45.15          | -              | 45.84          | 44.29          | 3.5               |
| Brazil . . . . .                        | 46.41          | 46.03          | 46.76          | 46.83          | 46.57          | .5                |
| Chile . . . . .                         | -              | 49.78          | -              | 49.78          | 48.84          | 1.9               |
| <b>Europe Total</b> . . . . .           | <b>46.85</b>   | <b>47.03</b>   | <b>48.62</b>   | <b>47.21</b>   | <b>47.06</b>   | <b>.3</b>         |
| Albania . . . . .                       | -              | -              | -              | 46.27          | 48.38          | -4.4              |
| Belgium & Luxembourg . . . . .          | 47.88          | -              | 49.59          | 47.67          | 47.84          | -.4               |
| Bulgaria . . . . .                      | 44.00          | 43.34          | -              | 42.67          | 49.44          | -13.7             |
| Denmark . . . . .                       | -              | -              | -              | 30.75          | -              | -                 |
| Finland . . . . .                       | 46.30          | 46.30          | 43.68          | 46.50          | 44.72          | 4.0               |
| France . . . . .                        | 45.98          | 43.62          | 47.27          | 44.80          | 44.88          | -.2               |
| Italy . . . . .                         | 44.18          | 48.11          | -              | 48.65          | 47.57          | 2.3               |
| Netherlands . . . . .                   | 47.37          | 47.22          | 47.90          | 46.98          | 46.95          | .1                |
| Portugal . . . . .                      | -              | 48.90          | 48.63          | 48.11          | 45.79          | 5.1               |
| Romania . . . . .                       | 46.08          | 45.01          | -              | 46.51          | 48.07          | -3.3              |
| Spain . . . . .                         | 48.88          | 48.62          | 49.56          | 48.30          | 47.88          | .9                |
| Sweden . . . . .                        | 49.65          | 49.06          | -              | 48.19          | 48.82          | -1.3              |
| Turkey . . . . .                        | 46.30          | 46.76          | 43.09          | 46.88          | 45.92          | 2.1               |
| United Kingdom . . . . .                | 47.84          | 48.67          | 49.55          | 48.70          | 48.37          | .7                |
| Germany, FR . . . . .                   | -              | -              | -              | 48.88          | 43.59          | 12.1              |
| Yugoslavia . . . . .                    | 43.77          | 47.36          | -              | 47.38          | 45.65          | 3.8               |
| Other <sup>2</sup> . . . . .            | 43.55          | -              | -              | 43.55          | -              | -                 |
| <b>Asia Total</b> . . . . .             | <b>46.09</b>   | <b>45.08</b>   | <b>46.19</b>   | <b>46.30</b>   | <b>45.91</b>   | <b>.9</b>         |
| China (Taiwan) . . . . .                | 45.35          | 46.92          | -              | 46.61          | 47.19          | -1.2              |
| Israel . . . . .                        | 42.18          | -              | -              | 42.18          | -              | -                 |
| Japan . . . . .                         | 45.83          | 44.11          | 45.82          | 45.89          | 45.34          | 1.2               |
| Korea, Republic of . . . . .            | 47.75          | 47.28          | 49.17          | 47.76          | 47.77          | *                 |
| <b>Africa Total</b> . . . . .           | <b>45.87</b>   | <b>43.82</b>   | <b>-</b>       | <b>45.16</b>   | <b>45.90</b>   | <b>-1.6</b>       |
| Algeria . . . . .                       | 45.29          | 46.27          | -              | 46.26          | 46.36          | -.2               |
| Egypt . . . . .                         | 45.54          | 45.54          | -              | 45.82          | 45.74          | .2                |
| Morocco . . . . .                       | -              | 30.71          | -              | 34.61          | -              | -                 |
| Other <sup>2</sup> . . . . .            | 48.26          | -              | -              | 48.90          | -              | -                 |
| <b>Total</b> . . . . .                  | <b>46.11</b>   | <b>45.26</b>   | <b>45.80</b>   | <b>46.47</b>   | <b>45.99</b>   | <b>1.0</b>        |
| <b>U.S. Total<sup>3</sup></b> . . . . . | <b>46.39</b>   | <b>45.05</b>   | <b>46.59</b>   | <b>46.58</b>   | <b>46.26</b>   | <b>.7</b>         |

\*For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations, the absolute value of the number is less than 0.05 percent.

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all metallurgical coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 10. Coal Exports by Customs District, August 1991**  
(Short Tons)

| Customs District      | August<br>1991    | July<br>1991      | August<br>1990    | Year to Date      |                   | Percent<br>Change |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                       |                   |                   |                   | 1991              | 1990              |                   |
| <b>Eastern Total</b>  | <b>6,416,654</b>  | <b>5,984,727</b>  | <b>5,711,599</b>  | <b>45,239,806</b> | <b>43,144,591</b> | <b>4.9</b>        |
| Baltimore, MD         | 929,891           | 1,105,187         | 230,445           | 5,547,684         | 5,445,073         | 1.9               |
| Portland, ME          | -                 | -                 | -                 | -                 | 782               | -                 |
| Buffalo, NY           | 35,186            | 157,376           | 1,740             | 353,276           | 47,111            | NM                |
| New York City, NY     | 504               | 184               | 562               | 2,927             | 5,301             | -44.8             |
| Ogdensburg, NY        | 20,370            | 5,614             | 1,966             | 34,819            | 11,252            | 209.4             |
| Philadelphia, PA      | 43,329            | 33,102            | 426,714           | 476,969           | 2,090,080         | -77.2             |
| Norfolk, VA           | 5,387,295         | 4,683,186         | 5,050,172         | 38,823,816        | 35,544,992        | 9.2               |
| St. Albans, VT        | 79                | 78                | -                 | 315               | -                 | -                 |
| <b>Southern Total</b> | <b>3,083,670</b>  | <b>2,318,826</b>  | <b>1,829,208</b>  | <b>16,617,501</b> | <b>15,082,904</b> | <b>10.2</b>       |
| Mobile, AL            | 999,750           | 420,510           | 417,446           | 6,059,713         | 5,478,034         | 10.6              |
| Miami, FL             | 326               | -                 | 224               | 1,593             | 702               | 126.9             |
| Tampa, FL             | -                 | 7,585             | -                 | 11,191            | 18,099            | -38.2             |
| New Orleans, LA       | 1,933,356         | 1,825,624         | 1,268,693         | 9,741,499         | 8,599,112         | 13.3              |
| San Juan, PR          | 168               | -                 | -                 | 168               | -                 | -                 |
| Charleston, SC        | 94,844            | 60,868            | 52,635            | 644,830           | 767,660           | -16.0             |
| El Paso, TX           | -                 | 69                | -                 | 69                | -                 | -                 |
| Houston-Galveston, TX | 48,570            | 984               | 29,072            | 129,447           | 97,913            | 32.2              |
| Laredo, TX            | 6,656             | 3,186             | 61,138            | 28,991            | 121,384           | -76.1             |
| <b>Western Total</b>  | <b>286,959</b>    | <b>367,175</b>    | <b>395,682</b>    | <b>2,665,271</b>  | <b>1,719,677</b>  | <b>55.0</b>       |
| Anchorage, AK         | -                 | 87,226            | 75,874            | 501,482           | 480,183           | 4.4               |
| Nogales, AZ           | -                 | -                 | -                 | -                 | 2,673             | -                 |
| Los Angeles, CA       | 285,542           | 274,725           | 294,436           | 1,929,865         | 1,085,600         | 77.8              |
| San Diego, CA         | 87                | -                 | 117               | 1,686             | 3,116             | -45.9             |
| San Francisco, CA     | 847               | -                 | -                 | 33,087            | 99,336            | -66.7             |
| Great Falls, MT       | -                 | -                 | 131               | -                 | 131               | -                 |
| Portland, OR          | -                 | -                 | -                 | 74,454            | 3,989             | NM                |
| Seattle, WA           | 483               | 5,224             | 25,124            | 124,697           | 44,649            | 179.3             |
| <b>Northern Total</b> | <b>751,731</b>    | <b>1,427,255</b>  | <b>2,126,357</b>  | <b>4,604,342</b>  | <b>9,407,902</b>  | <b>-51.1</b>      |
| Chicago, IL           | -                 | -                 | 7,584             | 108               | 16,266            | -99.3             |
| Detroit, MI           | 64,478            | 64,299            | 133,714           | 165,027           | 3,063,449         | -94.6             |
| Duluth, MN            | 27,551            | -                 | 262,651           | 27,551            | 292,502           | -90.6             |
| Pembina, ND           | -                 | -                 | -                 | 83                | 87                | -4.6              |
| Cleveland, OH         | 659,702           | 1,362,956         | 1,722,408         | 4,411,573         | 5,969,506         | -26.1             |
| Milwaukee, WI         | -                 | -                 | -                 | -                 | 66,092            | -                 |
| <b>Total</b>          | <b>10,541,244</b> | <b>10,098,996</b> | <b>10,064,856</b> | <b>69,172,180</b> | <b>69,374,487</b> | <b>-.3</b>        |

<sup>NM</sup>Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."



**Table 11. Coke Exports, August 1991**  
(Short Tons)

| Continent and Country<br>of Destination | August<br>1991 | July<br>1991  | August<br>1990 | Year to Date   |                | Percent<br>Change |
|---|----------------|---------------|----------------|----------------|----------------|-------------------|
|   |                |               |                | 1991           | 1990           |                   |
| <b>North America Total</b> .....        | <b>19,083</b>  | <b>12,041</b> | <b>57,973</b>  | <b>163,360</b> | <b>268,564</b> | <b>-39.2</b>      |
| Canada <sup>1</sup> .....               | 6,509          | 6,335         | 51,224         | 110,199        | 195,186        | -43.5             |
| Mexico .....                            | 12,407         | 5,660         | 6,749          | 52,311         | 72,370         | -27.7             |
| Other <sup>2</sup> .....                | 167            | 46            | -              | 850            | 1,008          | -15.7             |
| <b>South America Total</b> .....        | <b>-</b>       | <b>8,486</b>  | <b>-</b>       | <b>118,081</b> | <b>46,331</b>  | <b>154.9</b>      |
| <b>Europe Total</b> .....               | <b>78,729</b>  | <b>-</b>      | <b>-</b>       | <b>149,656</b> | <b>33,665</b>  | <b>344.5</b>      |
| <b>Asia Total</b> .....                 | <b>65,539</b>  | <b>-</b>      | <b>-</b>       | <b>65,539</b>  | <b>-</b>       | <b>-</b>          |
| <b>Total</b> .....                      | <b>163,351</b> | <b>20,527</b> | <b>57,973</b>  | <b>496,636</b> | <b>348,560</b> | <b>42.5</b>       |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 12. Coal Imports, August 1991**  
(Short Tons)

| Continent and Country<br>of Origin         | August<br>1991 | July<br>1991   | August<br>1990 | Year to Date     |                  | Percent<br>Change |
|--|----------------|----------------|----------------|------------------|------------------|-------------------|
|  |                |                |                | 1991             | 1990             |                   |
| <b>North America Total</b> .....           | <b>74,156</b>  | <b>58,798</b>  | <b>24,854</b>  | <b>592,517</b>   | <b>629,846</b>   | <b>-5.9</b>       |
| Canada .....                               | 74,156         | 58,798         | 24,854         | 592,517          | 623,642          | -5.0              |
| Mexico .....                               | -              | -              | -              | -                | 6,204            | -                 |
| <b>South America Total</b> .....           | <b>174,272</b> | <b>289,638</b> | <b>94,996</b>  | <b>1,641,222</b> | <b>1,093,689</b> | <b>50.1</b>       |
| Colombia .....                             | 174,272        | 227,754        | 94,996         | 1,271,208        | 909,320          | 39.8              |
| Venezuela .....                            | -              | 61,884         | -              | 370,014          | 184,369          | 100.7             |
| <b>Europe Total</b> .....                  | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>6</b>         | <b>5,261</b>     | <b>-99.9</b>      |
| Czechoslovakia .....                       | -              | -              | -              | 6                | -                | -                 |
| Norway .....                               | -              | -              | -              | -                | 46               | -                 |
| United Kingdom .....                       | -              | -              | -              | -                | 5,215            | -                 |
| <b>Asia Total</b> .....                    | <b>-</b>       | <b>51</b>      | <b>-</b>       | <b>51</b>        | <b>-</b>         | <b>-</b>          |
| Japan .....                                | -              | 1              | -              | 1                | -                | -                 |
| Thailand .....                             | -              | 50             | -              | 50               | -                | -                 |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>31,106</b>    | <b>-</b>         | <b>-</b>          |
| Australia .....                            | -              | -              | -              | 31,106           | -                | -                 |
| <b>Total</b> .....                         | <b>248,428</b> | <b>348,487</b> | <b>119,850</b> | <b>2,264,902</b> | <b>1,728,796</b> | <b>31.0</b>       |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 13. Average Price of Coal Imports, August 1991**  
(Dollars per Short Ton)

| Continent and Country of Origin            | August 1991    | July 1991      | August 1990    | Year to Date   |                | Percent Change |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
|  |                |                |                | 1991           | 1990           |                |
| <b>North America Total</b> .....           | <b>\$24.20</b> | <b>\$23.16</b> | <b>\$21.46</b> | <b>\$25.39</b> | <b>\$24.64</b> | <b>3.0</b>     |
| Canada .....                               | 24.20          | 23.16          | 21.46          | 25.39          | 24.46          | 3.8            |
| Mexico .....                               | -              | -              | -              | -              | 38.36          | -              |
| <b>South America Total</b> .....           | <b>30.88</b>   | <b>35.08</b>   | <b>37.53</b>   | <b>34.71</b>   | <b>37.95</b>   | <b>-8.5</b>    |
| Colombia .....                             | 30.88          | 33.16          | 37.53          | 33.26          | 37.35          | -10.9          |
| Venezuela .....                            | -              | 42.14          | -              | 39.70          | 40.89          | -2.9           |
| <b>Europe Total</b> .....                  | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>37.19</b>   | <b>-</b>       |
| United Kingdom .....                       | -              | -              | -              | -              | 37.19          | -              |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>37.97</b>   | <b>-</b>       | <b>-</b>       |
| Australia .....                            | -              | -              | -              | 37.97          | -              | -              |
| <b>Total</b> .....                         | <b>28.96</b>   | <b>33.20</b>   | <b>34.63</b>   | <b>32.62</b>   | <b>33.87</b>   | <b>-3.7</b>    |
| <b>U.S. Total<sup>1</sup></b> .....        | <b>29.57</b>   | <b>33.66</b>   | <b>35.72</b>   | <b>33.53</b>   | <b>33.94</b>   | <b>-1.2</b>    |

<sup>1</sup>Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 14. Coal Imports by Customs District, August 1991**  
(Short Tons)

| Customs District            | August 1991    | July 1991      | August 1990    | Year to Date     |                  | Percent Change |
|-----------------------------|----------------|----------------|----------------|------------------|------------------|----------------|
|                             |                |                |                | 1991             | 1990             |                |
| <b>Eastern Total</b> .....  | <b>-</b>       | <b>59,044</b>  | <b>-</b>       | <b>238,431</b>   | <b>249,690</b>   | <b>-4.5</b>    |
| Boston, MA .....            | -              | 24,718         | -              | 48,855           | 99,723           | -51.0          |
| Portland, ME .....          | -              | -              | -              | 119,941          | 115,011          | 4.3            |
| Buffalo, NY .....           | -              | -              | -              | 134              | 69               | 94.2           |
| Ogdensburg, NY .....        | -              | -              | -              | -                | 45               | -              |
| Philadelphia, PA .....      | -              | 34,326         | -              | 69,501           | 34,842           | 99.5           |
| <b>Southern Total</b> ..... | <b>174,272</b> | <b>230,594</b> | <b>94,996</b>  | <b>1,402,925</b> | <b>889,203</b>   | <b>57.8</b>    |
| Tampa, FL .....             | 174,272        | 180,164        | 35,802         | 1,189,732        | 646,589          | 84.0           |
| New Orleans, LA .....       | -              | -              | -              | 17,090           | -                | -              |
| Wilmington, NC .....        | -              | -              | -              | -                | 46               | -              |
| San Juan, PR .....          | -              | 22,872         | 34,943         | 102,957          | 176,072          | -41.5          |
| Houston-Galveston, TX ..... | -              | -              | -              | 11,023           | 5,215            | 111.4          |
| Laredo, TX .....            | -              | -              | -              | -                | 6,204            | -              |
| Virgin Islands .....        | -              | 27,558         | 24,251         | 82,123           | 55,077           | 49.1           |
| <b>Western Total</b> .....  | <b>7,145</b>   | <b>3,240</b>   | <b>4,001</b>   | <b>95,303</b>    | <b>60,151</b>    | <b>58.4</b>    |
| Los Angeles, CA .....       | -              | -              | -              | 877              | -                | -              |
| Honolulu, HI .....          | -              | -              | -              | 31,106           | -                | -              |
| Great Falls, MT .....       | 1,644          | 3,190          | 4,001          | 48,201           | 34,184           | 41.0           |
| Seattle, WA .....           | 5,501          | 50             | -              | 15,119           | 25,967           | -41.8          |
| <b>Northern Total</b> ..... | <b>67,011</b>  | <b>55,609</b>  | <b>20,853</b>  | <b>528,243</b>   | <b>529,752</b>   | <b>-3</b>      |
| Chicago, IL .....           | -              | 1              | -              | 118,575          | 177,937          | -33.4          |
| Detroit, MI .....           | -              | -              | -              | 8                | -                | -              |
| Duluth, MN .....            | -              | -              | -              | 211              | -                | -              |
| Pembina, ND .....           | 67,011         | 55,608         | 20,853         | 409,449          | 351,815          | 16.4           |
| <b>Total</b> .....          | <b>248,428</b> | <b>348,487</b> | <b>119,850</b> | <b>2,264,902</b> | <b>1,728,796</b> | <b>31.0</b>    |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 11. Coke Exports, August 1991**  
(Short Tons)

| Continent and Country<br>of Destination | August<br>1991 | July<br>1991  | August<br>1990 | Year to Date   |                | Percent<br>Change |
|---|----------------|---------------|----------------|----------------|----------------|-------------------|
|   |                |               |                | 1991           | 1990           |                   |
| <b>North America Total</b> .....        | <b>19,083</b>  | <b>12,041</b> | <b>57,973</b>  | <b>163,360</b> | <b>268,564</b> | <b>-39.2</b>      |
| Canada <sup>1</sup> .....               | 6,509          | 6,335         | 51,224         | 110,199        | 195,186        | -43.5             |
| Mexico .....                            | 12,407         | 5,660         | 6,749          | 52,311         | 72,370         | -27.7             |
| Other <sup>2</sup> .....                | 167            | 46            | -              | 850            | 1,008          | -15.7             |
| <b>South America Total</b> .....        | <b>-</b>       | <b>8,486</b>  | <b>-</b>       | <b>118,081</b> | <b>46,331</b>  | <b>154.9</b>      |
| <b>Europe Total</b> .....               | <b>78,729</b>  | <b>-</b>      | <b>-</b>       | <b>149,656</b> | <b>33,665</b>  | <b>344.5</b>      |
| <b>Asia Total</b> .....                 | <b>65,539</b>  | <b>-</b>      | <b>-</b>       | <b>65,539</b>  | <b>-</b>       | <b>-</b>          |
| <b>Total</b> .....                      | <b>163,351</b> | <b>20,527</b> | <b>57,973</b>  | <b>496,636</b> | <b>348,560</b> | <b>42.5</b>       |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 12. Coal Imports, August 1991**  
(Short Tons)

| Continent and Country<br>of Origin         | August<br>1991 | July<br>1991   | August<br>1990 | Year to Date     |                  | Percent<br>Change |
|--|----------------|----------------|----------------|------------------|------------------|-------------------|
|  |                |                |                | 1991             | 1990             |                   |
| <b>North America Total</b> .....           | <b>74,156</b>  | <b>58,798</b>  | <b>24,854</b>  | <b>592,517</b>   | <b>629,846</b>   | <b>-5.9</b>       |
| Canada .....                               | 74,156         | 58,798         | 24,854         | 592,517          | 623,642          | -5.0              |
| Mexico .....                               | -              | -              | -              | -                | 6,204            | -                 |
| <b>South America Total</b> .....           | <b>174,272</b> | <b>289,638</b> | <b>94,996</b>  | <b>1,641,222</b> | <b>1,093,689</b> | <b>50.1</b>       |
| Colombia .....                             | 174,272        | 227,754        | 94,996         | 1,271,208        | 909,320          | 39.8              |
| Venezuela .....                            | -              | 61,884         | -              | 370,014          | 184,369          | 100.7             |
| <b>Europe Total</b> .....                  | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>6</b>         | <b>5,261</b>     | <b>-99.9</b>      |
| Czechoslovakia .....                       | -              | -              | -              | 6                | -                | -                 |
| Norway .....                               | -              | -              | -              | -                | 46               | -                 |
| United Kingdom .....                       | -              | -              | -              | -                | 5,215            | -                 |
| <b>Asia Total</b> .....                    | <b>-</b>       | <b>51</b>      | <b>-</b>       | <b>51</b>        | <b>-</b>         | <b>-</b>          |
| Japan .....                                | -              | 1              | -              | 1                | -                | -                 |
| Thailand .....                             | -              | 50             | -              | 50               | -                | -                 |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>31,106</b>    | <b>-</b>         | <b>-</b>          |
| Australia .....                            | -              | -              | -              | 31,106           | -                | -                 |
| <b>Total</b> .....                         | <b>248,428</b> | <b>348,487</b> | <b>119,850</b> | <b>2,264,902</b> | <b>1,728,796</b> | <b>31.0</b>       |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 13. Average Price of Coal Imports, August 1991**  
(Dollars per Short Ton)

| Continent and Country of Origin                | August 1991    | July 1991      | August 1990    | Year to Date   |                | Percent Change |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
|  |                |                |                | 1991           | 1990           |                |
| <b>North America Total</b> . . . . .           | <b>\$24.20</b> | <b>\$23.16</b> | <b>\$21.46</b> | <b>\$25.39</b> | <b>\$24.64</b> | <b>3.0</b>     |
| Canada . . . . .                               | 24.20          | 23.16          | 21.46          | 25.39          | 24.46          | 3.8            |
| Mexico . . . . .                               | -              | -              | -              | -              | 38.36          | -              |
| <b>South America Total</b> . . . . .           | <b>30.88</b>   | <b>35.08</b>   | <b>37.53</b>   | <b>34.71</b>   | <b>37.95</b>   | <b>-8.5</b>    |
| Colombia . . . . .                             | 30.88          | 33.16          | 37.53          | 33.26          | 37.35          | -10.9          |
| Venezuela . . . . .                            | -              | 42.14          | -              | 39.70          | 40.89          | -2.9           |
| <b>Europe Total</b> . . . . .                  | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>37.19</b>   | <b>-</b>       |
| United Kingdom . . . . .                       | -              | -              | -              | -              | 37.19          | -              |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>37.97</b>   | <b>-</b>       | <b>-</b>       |
| Australia . . . . .                            | -              | -              | -              | 37.97          | -              | -              |
| <b>Total</b> . . . . .                         | <b>28.96</b>   | <b>33.20</b>   | <b>34.63</b>   | <b>32.62</b>   | <b>33.87</b>   | <b>-3.7</b>    |
| <b>U.S. Total<sup>1</sup></b> . . . . .        | <b>29.57</b>   | <b>33.66</b>   | <b>35.72</b>   | <b>33.53</b>   | <b>33.94</b>   | <b>-1.2</b>    |

<sup>1</sup>Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 14. Coal Imports by Customs District, August 1991**  
(Short Tons)

| Customs District                | August 1991    | July 1991      | August 1990    | Year to Date     |                  | Percent Change |
|---------------------------------|----------------|----------------|----------------|------------------|------------------|----------------|
|                                 |                |                |                | 1991             | 1990             |                |
| <b>Eastern Total</b> . . . . .  | <b>-</b>       | <b>59,044</b>  | <b>-</b>       | <b>238,431</b>   | <b>249,690</b>   | <b>-4.5</b>    |
| Boston, MA . . . . .            | -              | 24,718         | -              | 48,855           | 99,723           | -51.0          |
| Portland, ME . . . . .          | -              | -              | -              | 119,941          | 115,011          | 4.3            |
| Buffalo, NY . . . . .           | -              | -              | -              | 134              | 69               | 94.2           |
| Ogdensburg, NY . . . . .        | -              | -              | -              | -                | 45               | -              |
| Philadelphia, PA . . . . .      | -              | 34,326         | -              | 69,501           | 34,842           | 99.5           |
| <b>Southern Total</b> . . . . . | <b>174,272</b> | <b>230,594</b> | <b>94,996</b>  | <b>1,402,925</b> | <b>889,203</b>   | <b>57.8</b>    |
| Tampa, FL . . . . .             | 174,272        | 180,164        | 35,802         | 1,189,732        | 646,589          | 84.0           |
| New Orleans, LA . . . . .       | -              | -              | -              | 17,090           | -                | -              |
| Wilmington, NC . . . . .        | -              | -              | -              | -                | 46               | -              |
| San Juan, PR . . . . .          | -              | 22,872         | 34,943         | 102,957          | 176,072          | -41.5          |
| Houston-Galveston, TX . . . . . | -              | -              | -              | 11,023           | 5,215            | 111.4          |
| Laredo, TX . . . . .            | -              | -              | -              | -                | 6,204            | -              |
| Virgin Islands . . . . .        | -              | 27,558         | 24,251         | 82,123           | 55,077           | 49.1           |
| <b>Western Total</b> . . . . .  | <b>7,145</b>   | <b>3,240</b>   | <b>4,001</b>   | <b>95,303</b>    | <b>60,151</b>    | <b>58.4</b>    |
| Los Angeles, CA . . . . .       | -              | -              | -              | 877              | -                | -              |
| Honolulu, HI . . . . .          | -              | -              | -              | 31,106           | -                | -              |
| Great Falls, MT . . . . .       | 1,644          | 3,190          | 4,001          | 48,201           | 34,184           | 41.0           |
| Seattle, WA . . . . .           | 5,501          | 50             | -              | 15,119           | 25,967           | -41.8          |
| <b>Northern Total</b> . . . . . | <b>67,011</b>  | <b>55,609</b>  | <b>20,853</b>  | <b>528,243</b>   | <b>529,752</b>   | <b>-.3</b>     |
| Chicago, IL . . . . .           | -              | 1              | -              | 118,575          | 177,937          | -33.4          |
| Detroit, MI . . . . .           | -              | -              | -              | 8                | -                | -              |
| Duluth, MN . . . . .            | -              | -              | -              | 211              | -                | -              |
| Pembina, ND . . . . .           | 67,011         | 55,608         | 20,853         | 409,449          | 351,815          | 16.4           |
| <b>Total</b> . . . . .          | <b>248,428</b> | <b>348,487</b> | <b>119,850</b> | <b>2,264,902</b> | <b>1,728,796</b> | <b>31.0</b>    |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 15. Coke Imports, August 1991**  
(Short Tons)

| Continent and Country<br>of Origin  | August<br>1991 | July<br>1991 | August<br>1990 | Year to Date |         | Percent<br>Change |
|-------------------------------------|----------------|--------------|----------------|--------------|---------|-------------------|
|                                     |                |              |                | 1991         | 1990    |                   |
| North America Total . . . . .       | 2,131          | 1,853        | 26,753         | 18,477       | 107,238 | -82.8             |
| Canada . . . . .                    | 2,131          | 1,853        | 26,753         | 18,477       | 85,451  | -78.4             |
| Mexico . . . . .                    | -              | -            | -              | -            | 21,787  | -                 |
| Europe Total . . . . .              | -              | -            | -              | -            | 39,572  | -                 |
| Italy . . . . .                     | -              | -            | -              | -            | 39,572  | -                 |
| Asia Total . . . . .                | 82,078         | 88,672       | -              | 504,983      | 206,158 | 144.9             |
| Japan . . . . .                     | 82,078         | 88,672       | -              | 504,983      | 206,158 | 144.9             |
| Oceania & Australia Total . . . . . | -              | 47,571       | -              | 143,972      | 134,475 | 7.1               |
| Australia . . . . .                 | -              | 47,571       | -              | 143,972      | 134,475 | 7.1               |
| Total . . . . .                     | 84,209         | 138,096      | 26,753         | 667,432      | 487,443 | 36.9              |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

# Electronic Publishing System (EPUB)

## User Instructions

EPUB is an electronic publishing system maintained by the Energy Information Administration of the U.S. Department of Energy. EPUB allows the general public to electronically access selected energy data from many of EIA's statistical reports. The system is a menu-driven, bulletin board type system with extensive online help capabilities that can be accessed free of charge 24 hours a day by using a terminal or PC with an asynchronous modem. (EPUB will be taken down briefly at midnight for backup.)

### CONFIGURING YOUR PC SOFTWARE

PC users must provide the following information to their communications software in order to successfully access the EPUB system. Consult your communications software documentation for information on how to correctly configure your software.

#### Communications Parameters:

BAUD RATE: 300 - 2400 bps

DATA BITS: 8

STOP BITS: 1

PARITY: NONE

DUPLEX: FULL

TERMINAL TYPE: *example:* ANSI, ANSI-BBS, VT100

### ACCESS PHONE NUMBER

Once your communications software and/or hardware has been configured, you can access EPUB by dialing (202)586-2557.

### USING EPUB

When a connection to the system has been made, some users may find that the menu-driven instructions and the online help capabilities will provide enough information to effectively use EPUB. If needed, more extensive information may be found in the EPUB Users Guide, which is available online from the EPUB system or from:

National Energy Information Center, EI-231

Energy Information Administration

Forrestal Building, Room 1F-048

Washington, DC 20585

(202) 586-8800

Hours 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday

### EPUB ASSISTANCE:

For communications or technical assistance, call (202) 586-8959, 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday.

For questions about the content of EPUB reports, call (202) 586-8800, 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday.

### EPUB PROVIDES SELECTED DATA FROM THE FOLLOWING EIA PUBLICATIONS:

Weekly Petroleum Status Report, updated on Wednesdays at 5:00 p.m.

Petroleum Supply Monthly, updated on the 20th of the month

Petroleum Marketing Monthly, updated on the 20th of the month

Natural Gas Monthly, updated on the 20th of the month

Weekly Coal Production, updated on Fridays at 5:00 p.m.

Quarterly Coal Report, updated 60 days after the end of the quarter

Electric Power Monthly, updated on the 1st of the month

Monthly Energy Review, updated the last week of the month

Short Term Energy Outlook, updated 60 days after the end of the quarter.